

(19)



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11) Publication number:

**0 536 755 A3**

(12)

**EUROPEAN PATENT APPLICATION**

(21) Application number: 92117215.1

(51) Int. Cl.<sup>5</sup>: **H04N 1/387**

(22) Date of filing: 08.10.92

(30) Priority: 09.10.91 JP 290986/91  
16.12.91 JP 332153/91

(43) Date of publication of application:  
14.04.93 Bulletin 93/15

(84) Designated Contracting States:  
**DE FR GB**

(66) Date of deferred publication of the search report:  
13.10.93 Bulletin 93/41

(71) Applicant: **FUJI PHOTO FILM CO., LTD.**

**210 Nakanuma  
Minami-Ashigara-shi  
Kanagawa(JP)**

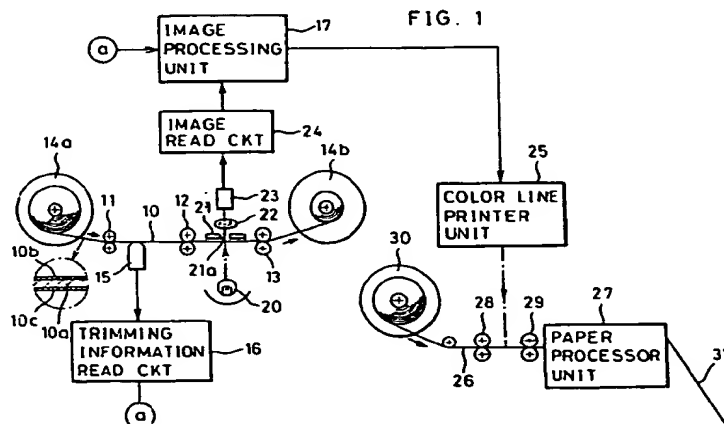
(72) Inventor: **Kimura, Tsutomu  
c/o Fuji Photo Film Co., Ltd.,  
2-26-30 Nishi-Azabu  
Minato-ku, Tokyo(JP)**

(74) Representative: **Patentanwälte Grünecker,  
Kinkeldey, Stockmair & Partner  
Maximilianstrasse 58  
D-80538 München (DE)**

(54) **Photographic printer.**

(57) A magnetic head (15) and line sensor (23) are mounted along the transport passage of a color negative film (10). The magnetic head reads trimming information recorded on a magnetic recording layer of the negative film, and sends the trimming information to an image processing unit (17). The line sensor scans an original frame of the negative film synchronously with the transportation of the film and reads the image data of the frame one line after another. In accordance with the trimming information, the image processing unit generates image

data for a trimmed image as enlarged to use the color paper fully regarding its width, and sends the image data to a line printer unit (25). The line printer unit scans a light beam synchronously with the transportation of the color paper, to record the trimmed image one line after another on a color paper (26). According to a preferred embodiment of the present invention, at least two layers among cyan, magenta, and yellow coloring layers are made of photosensitive material sensitive to electromagnetic waves such as infrared light.



EP 0 536 755 A3



European Patent  
Office

## EUROPEAN SEARCH REPORT

Application Number

EP 92 11 7215

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X Y A	WO-A-9 004 302 (EASTMAN KODAK COMPANY) * page 11, line 32 - page 12, line 19 * * page 18, line 2 - line 31 * * page 25, line 20 - page 28, line 3 * * page 29, line 23 - page 34, line 5 * * abstract; claims 1,18; figures 2,10 * ---	1,3-4 5,18-21 2,6-13	H04N1/387
X A	EP-A-0 410 376 (MINOLTA CAMERA KK) * column 5, line 9 - line 28 * * column 13, line 13 - line 37 * * column 14, line 35 - column 15, line 2 * * abstract; claims; figure 1 * ---	1,3 2,4-13 18-21	
X A	US-A-4 482 924 (BROWNSTEIN) * column 1, line 62 - column 2, line 21 * * column 3, line 30 - line 41 * * column 4, line 23 - line 50 * * abstract; claims 1,3-5 * ---	1 2-13 18-21	
X Y A	EP-A-0 202 931 (MINNESOTA MINING AND MANUFACTURING CO) * page 2, line 36 - page 4, line 25 * * page 5, line 11 - page 10, line 19 * * page 17, line 3 - line 24 * * abstract; claim 1; figures 1-3 * ---	14-15 5,18-21 11-13 16-17	TECHNICAL FIELDS SEARCHED (Int. Cl.5)  H04N
A	US-A-4 958 233 (OKINO) * column 2, line 39 - column 3, line 4 * * abstract; claims; figures * -----	5,11-17	
The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>11 AUGUST 1993</b>	Examiner <b>ISA S.</b>
<b>CATEGORY OF CITED DOCUMENTS</b>  X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document  T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document			

EPO FORM 1503 03.92 (P0401)